

# Java Programming Lab Manual

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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

# **JAVA PROGRAMMING LAB MANUAL**

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**Editors**

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International Islamic University Malaysia**

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## Chapter 9

### The If-Else-If Statements

Asadullah Shaikh, Zeeshan Bhatti, Asadullah Shah

#### Abstract

The use of multiple nested If-Else structures is where the power of conditional statements is displayed. As the programs get complex so does the need of complex conditional statements and so the understanding of these multiple If-Else-If statements is very necessary. In this chapter the multiple If-Else-If structure is explained and their use is discussed. As the structure of conditional statements get complex it become extremely vital that the order and placement of If-Else-If statements is also accurate and this has been discussed briefly later in the chapter

#### 9.1 The If-Else-If statements

The If-Else statement can be further combined with multiple if-else statements to create a set of complex conditional evaluation of various variables. For example consider the program below which demonstrates the use of multiple If-Else statements that are used to evaluate the score and in what range that score is. The table 9.1 summarizes the conditional evaluation of this program.

```
if (score >= 85) {  
    System.out.println("Grade is A");  
} else {  
    if (score >= 75) {  
        System.out.println("Grade is B");  
    } else {
```